

WHAT IS CLAIMED IS:

1. A system for automating data transactions between computer servers; said system comprising:

a first computer server maintaining a database having stored data recorded therein;

program code residing on said first computer server for creating extracted data by selectively extracting said stored data responsive to a request; and

additional program code residing on said first computer server for obtaining a blank form, and for parsing said blank form to identify which of said extracted data should be used to fill in at least a part of said blank form.

2. The system of claim 1 wherein said extracted data includes data for all fields in said blank form.

3. The system of claim 1 wherein said blank form is obtained from a second computer server.

4. The system of claim 1 wherein said blank form is filled in using a fuzzy fill procedure.

5. The system of claim 1 wherein said blank form is a login form.

6. The system of claim 1 wherein said additional program code includes instructions for creating a filled form using said extracted data to fill in said blank form.

- 5 7. The system of claim 6 wherein said additional program code further includes
6 instructions for submitting said filled form to a second computer server. .
- 7 8. The system of claim 1 further comprising:
8 an additional database maintained at said first computer server; said
9 additional database having stored form data recorded therein; said
10 stored form data relating to forms required by at least one other
11 computer server.
- 12 9. The system of claim 8 wherein said additional program code includes
13 instructions for comparing data fields in said blank form with said stored form
14 data recorded in said additional database.
- 1 10. The system of claim 8 wherein said stored form data includes parsed form
2 data from said at least one other computer server.
- 3 11. The system of claim 9 further comprising:
4 form filling program instructions residing on said first computer
5 server, using a result of said comparing data fields in said blank form
6 with said stored form data, for creating a filled form by filling in said
7 blank form using a fuzzy fill procedure.
- 8 12. The system of claim 11 further comprising:
9 form submitting program instructions residing on said first computer
10 server, using a result of said form filling program instructions, for
11 automatically submitting said filled form to a second computer server.

1 13. A method of automating data transactions between computer servers; said
2 method comprising:

3 maintaining a database having stored data recorded therein at a first
4 computer server;

5 selectively extracting said stored data responsive to a request;

6 obtaining a blank form; and

7 parsing said blank form to identify which of said stored data should be
8 used to fill in at least a part of said blank form.

1 14. The method of claim 13 wherein said selectively extracting includes
2 extracting data for all fields in said blank form.

3 15. The method of claim 13 wherein said obtaining a blank form includes
4 receiving form data from a second computer server.

5 16. The method of claim 13 wherein said obtaining a blank form includes
6 receiving login form data from a second computer server.

7 17. The method of claim 13 further comprising:

8 filling in said blank form using a fuzzy fill procedure.

9 18. The method of claim 17 further comprising:

10 automatically submitting the result of said filling to a second computer
11 server.

12 19. The method of claim 13 further comprising:

14 parsing said blank login form to identify which of said stored data
15 should be used to fill in at least a part of said blank login form;
16 filling in said blank login form using said stored data; and
17 employing program code residing on said first computer server for
18 automatically submitting the result of said filling to a second computer
19 server.

1 25. The method of claim 24 wherein said selectively extracting includes
2 extracting data for all fields in said blank login form.

3 26. The method of claim 24 wherein said obtaining a blank login form includes
4 receiving form data from said second computer server.

5 27. The method of claim 24 wherein said filling in said blank login form includes
6 using a fuzzy fill procedure.

7 28. The method of claim 24 further comprising:

8 maintaining an additional database at said first computer server; said

9 additional database having stored form data recorded therein; said

10 stored form data relating to login forms required by at least one other

11 computer server.

12 29. The method of claim 28 wherein said parsing includes comparing data fields
13 in said blank login form with said stored form data recorded in said additional
14 database.

- 1 30. The method of claim 28 wherein said maintaining an additional database
2 includes parsing login form data from said at least one other computer server.

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